

# PATENT COOPERATION TREATY

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### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference <b>OPP021173KR</b>	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. <b>PCT/KR 2003/000833</b>	International filing date ( <i>day/month/year</i> ) <b>24 April 2003 (24.04.2003)</b>	Priority Date ( <i>day/month/year</i> ) <b>11 October 2002 (11.10.2002)</b>
International Patent Classification (IPC) or national classification and IPC  <b>IPC<sup>7</sup>: H04N 7/173, 5/445</b>		
Applicant <b>ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE et al.</b>		

1. This international preliminary examination report has been prepared by this International Preliminary Examination Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 4 sheets, including this cover sheet.  
  
☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of \_\_\_\_\_ sheets.

3. This report contains indications relating to the following items:

- I. ☒ Basis of the opinion
- II. ☐ Priority
- III. ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV. ☐ Lack of unity of invention
- V. ☒ Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI. ☐ Certain documents cited
- VII. ☐ Certain defects in the international application
- VIII. ☐ Certain observations on the international application

Date of submission of the demand  <b>18.09.2003</b>	Date of completion of this report  <b>30 March 2005 (30.03.2005)</b>
Name and mailing address of the IPEA/AT <b>Austrian Patent Office Dresdner Straße 87 A-1200 Vienna Facsimile No. 1/53424/200</b>	Authorized officer  <b>FUSSY S.</b>  Telephone No. 1/53424/328

Form PCT/IPEA/409 (cover sheet) (July 1998)

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/KR 2003/000833

## I. Basis of the report

### 1. With regard to the elements of the international application:\*

☒ the international application as originally filed

☐ the description:

pages \_\_\_\_\_, as originally filed

pages \_\_\_\_\_, filed with the demand

pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

☐ the claims:

pages \_\_\_\_\_, as originally filed

pages \_\_\_\_\_, as amended (together with any statement) under Article 19

pages \_\_\_\_\_, filed with the demand

pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

☐ the drawings:

pages \_\_\_\_\_, as originally filed

pages \_\_\_\_\_, filed with the demand

pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

☐ the sequence listing part of the description:

pages \_\_\_\_\_, as originally filed

pages \_\_\_\_\_, filed with the demand

pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

### 2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:

☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).

☐ the language of publication of the international application (under Rule 48.3(b)).

☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

### 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

☐ contained in the international application in printed form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

### 4. ☐ The amendments have resulted in the cancellation of:

☐ the description, pages \_\_\_\_\_.

☐ the claims, Nos. \_\_\_\_\_.

☐ the drawings, sheets/fig \_\_\_\_\_.

### 5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as „originally filed“ and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.  
PCT/KR 2003/000833

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement	Novelty (N)	Claims 1-14	YES
		Claims ----	NO
	Inventive step (IS)	Claims 1-14	YES
		Claims ----	NO
	Industrial applicability (IA)	Claims 1-14	YES
		Claims ----	NO

### Citations and explanations (Rule 70.7)

The following documents have been cited in the Search Report:

D1: WO1998/16062A1

D2: US6407779B1.

Both documents represent the prior art with regard to the subject-matter of the independent claims 1 and 11 of the present application and show systems for providing an electronic program guide (EPG).

D1 relates to a remote controller for a television system comprising a video remote control unit with display receiving EPG data from paging system and displaying or speaking data. The programme guide information is broadcast via the pager system and decoded into memory, during the low load period in the night. The user can scroll and page through the guide and select the required channels for viewing or recording. The unit has a voice data processor for processing the voice data for to the speaker which can also announce the guide information. The television system has a keypad, a display screen, a memory and a microcontroller.

However, neither a system for providing an EPG comprising a service information receiver unit which extracts the EPG information from the service information and which converts the EPG information to speech EPG information, nor a EPG processor analyzing the user's request and converting the tailored EPG information into speech EPG information are disclosed in D1.

D2 discloses a universal remote control system for electronic devices like TV. Electronic programming guide data are received and stored in a remote control memory. A user interface comprising touch screen display or handwriting recognition interface or voice recognition interface, coupled to a memory, displays at least a portion of guide data, when requested. Said recognition interface is responsive to a voice input to select the portion of the stored programming guide data that is displayed.

**INTERNATIONAL PRELIMINARY EXAMINATION REPORT**

International application No.  
PCT/ KR 03/00833

**Supplemental Box**

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Box V (page 1)

However, no system for providing an EPG comprising a service information receiver unit which extracts the EPG information from the service information and which converts the EPG information to speech EPG information and outputting said speech EPG information is disclosed in D2.

The remaining claims 2 to 10, and 12 to 14 of the present application specify preferred embodiments of the subject-matter of the independent claims 1 and 11.

Summarizing, all of the above cited documents merely define the state of the art. Therefore, the subject-matter of claims 1 to 14 can be considered novel and involving an inventive step.

The industrial applicability is given, too.